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NOTICE OF ALLOWANCE AND FEE(S) DUE

30827

7590

01/04/2010

MCKENNA LONG & ALDRIDGE LLP 1900 K STREET, NW WASHINGTON, DC 20006 EXAMINER

NGUYEN, DUNG T

ART UNIT PAPER NUMBER

2871

DATE MAILED: 01/04/2010

	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
Ī	10/774,517	02/10/2004	Woo-Hyuk Choi	8733.345.10-US	8692

TITLE OF INVENTION: METHOD OF MANUFACTURING AN ARRAY SUBSTRATE FOR USE IN A LCD DEVICE

APPLN	I. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonpro	visional	NO	\$1510	\$300	\$0	\$1810	04/05/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

indicated unless correct maintenance fee notifica	ted below or directed of	herwise in Block 1, by ((a) specifying a new co	orres	pondence address;	and/or	(b) indicating a sepa	rate "FEE A	DDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 30827 7590 01/04/2010					Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
30827 MCKENNA L 1900 K STREE WASHINGTON	1/2010 DGE LLP		Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.						
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									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	ГOR		ATTOR	RNEY DOCKET NO.	CONFIRMA	ATION NO.
10/774,517 TITLE OF INVENTION	02/10/2004 N: METHOD OF MANU	FACTURING AN ARRA	Woo-Hyuk Choi AY SUBSTRATE FOR	USI	E IN A LCD DEVIO		33.345.10-US	86	592
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DAT	TE DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810	04/0	05/2010
EXAM	MINER	ART UNIT	CLASS-SUBCLASS						
NGUYEN	N, DUNG T	2871	349-043000						
"Fee Address" inc PTO/SB/47; Rev 03- Number is required 3. ASSIGNEE NAME A PLEASE NOTE: Un	AND RESIDENCE DAT. nless an assignee is ident th in 37 CFR 3.11. Com	" Indication form	data will appear on th	nativingle or a attor l be property type ne pa	ely, e firm (having as a gent) and the name news or agents. If norinted. e) ttent. If an assigne assignment.	membe s of up no name	entified below, the de	ocument has	been filed for
4a. The following fee(s) ☐ Issue Fee ☐ Publication Fee (1)		permitted)	b. Payment of Fee(s): (1) A check is enclose Payment by credit The Director is here	Plea ed. t care	se first reapply and I. Form PTO-2038 authorized to charge	y previ	ously paid issue fee	shown above	e) redit any
a. Applicant claim	atus (from status indicate ns SMALL ENTITY stat nd Publication Fee (if req	us. See 37 CFR 1.27.	☐ b. Applicant is no	long	ger claiming SMAL	L ENT	ITY status. See 37 CI	FR 1.27(g)(2)).
interest as shown by the	records of the United Sta	ites Patent and Trademark	к Описе.						
Authorized Signature			Date						
Typed or printed name			Registration No						
This collection of inform an application. Confider submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 22.	nation is required by 37 (attaility is governed by 35 and application form to the tions for reducing this but Virginia 22313-1450. DO 313-1450.	FR 1.311. The information of U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the D NOT SEND FEES OR	on is required to obtain 1.14. This collection is y depending upon the in the Chief Information Of COMPLETED FORMS	or restindive	etain a benefit by th imated to take 12 m idual case. Any cor r, U.S. Patent and T D THIS ADDRESS.	ne publi ninutes mments Fradem . SEND	c which is to file (and to complete, including on the amount of time ark Office, U.S. Depa TO: Commissioner	by the USP g gathering, j ne you required for Patents, P	FO to process) preparing, and re to complete ommerce, P.O. O. Box 1450,

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1900 K STREET,			ART UNIT PAPER NUMBER			
WASHINGTON, I	OC 20006		2871			
			DATE MAILED: 01/04/2010			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/774,517	CHOI, WOO-HYUK	
Notice of Allowability	Examiner	Art Unit	_
	Dung Nguyen	2871	
	Dung Nguyen	20/1	_
The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comil IGHTS . This application is	in this application. If not included nunication will be mailed in due course. THIS	9
1. X This communication is responsive to paper dated 10/23/20	<u>009</u> .		
2. ☑ The allowed claim(s) is/are <u>11-14 and 16-21</u> .			
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 	, , .) or (f).	
2. ☑ Certified copies of the priority documents have		tion No. 09/745,526 .	
3. Copies of the certified copies of the priority do	cuments have been receiv	red in this national stage application from the	
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm	IENT of this application.		
INFORMAL PATENT APPLICATION (PTO-152) which give	es reason(s) why the oath	or declaration is deficient.	
5. CORRECTED DRAWINGS (as "replacement sheets") mus			
(a) including changes required by the Notice of Draftspers	-	ew (PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MA	TERIAL must be submitted. Note the	
Attachment(s)	5 □ Notice of	Informal Datant Application	
 Notice of References Cited (PTO-892) Dotice of Draftperson's Patent Drawing Review (PTO-948) 		Informal Patent Application Summary (PTO-413),	
 Information Disclosure Statements (PTO/SB/08), 	Paper No	o./Mail Date 's Amendment/Comment	
Paper No./Mail Date <u>02/10/2004</u> 4. Examiner's Comment Regarding Requirement for Deposit		's Statement of Reasons for Allowance	
of Biological Material	 9.		
			_

Applicant's request dated 10/23/2009 has been received and entered. Claims 11-14 and 16-21 are pending in the application.

Claims 11-14 and 16-21 are allowed.

The following is an examiner's statement of reasons for allowance:

None of the prior art of record discloses or suggests alone or in combination that a method of fabricating a thin film transistor substrate comprising a combination of various steps as claimed more specifically the step of forming a gate pad electrode and a data pad electrode electrically contacting the gate pad and the data pad, respectively, wherein the at least one of the gate pad electrode and the data pad electrode is formed using the back exposure light of which passes through the pad hole, wherein a region where the pad hole is formed is within a region where the contact hole is formed, and wherein the at least one of the gate pad electrode and the data pad electrode is within the region where the contact hole is formed as set forth in claim 11.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung Nguyen whose telephone number is 571-272-2297. The examiner can normally be reached on Monday-Thursday.

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Art Unit: 2871

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DN 12/21/2009 /Dung T. Nguyen/ Primary Examiner Art Unit 2871